

1. Record Nr.	UNISA996280061603316
Titolo	IEEE Std 1679.2-2018 : IEEE Guide for the Characterization and Evaluation of Sodium-Beta Batteries in Stationary Applications // Energy Storage & Stationary Battery Committee of the IEEE Power and Energy Society
Pubbl/distr/stampa	New York : , : IEEE, , 2018
ISBN	1-5044-5353-0
Descrizione fisica	1 online resource (29 pages)
Collana	IEEE Std ; ; 1679.2-2018
Disciplina	621.312424
Soggetti	Storage batteries - Standards Sodium ion batteries Sodium-sulfur batteries
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	This document provides guidance for evaluation of the characteristics and performance of Sodium-Beta batteries by a potential user for stationary applications. Information regarding technology description, safety, aging and failure modes, evaluation techniques, and regulatory issues is included in this guide. This document is to be used in conjunction with IEEE Std 1679™, IEEE Recommended Practice for the Characterization and Evaluation of Emerging Energy Storage Technologies in Stationary Applications. Sodium-Beta batteries include those secondary (rechargeable) electro-chemistries with sodium as the active species exchanged between the electrodes during charging and discharging, and operating above the melting point of sodium. These batteries use a solid "-alumina electrolyte, typically written as "-alumina. Examples of secondary Sodium-Beta batteries are sodium-metal chloride and sodium-sulfur batteries.